

global type

$G$

$G =$

$W_1 \rightarrow W_2 : \text{Int.}$

$W_2 \rightarrow W_3 : \text{Bool.}$

**well-typed IMPLIES protocol compliance AND deadlock-freedom**

local types

$L_1$

$L_2$

$L_3$

typecheck

$W_1$

$W_2$

$W_3$

processes

$L_1 = W_2 ! \text{Int}$

$L_2 = W_1 ? \text{Int.}$

$W_3 ! \text{Bool}$

$L_3 = W_2 ? \text{Bool}$